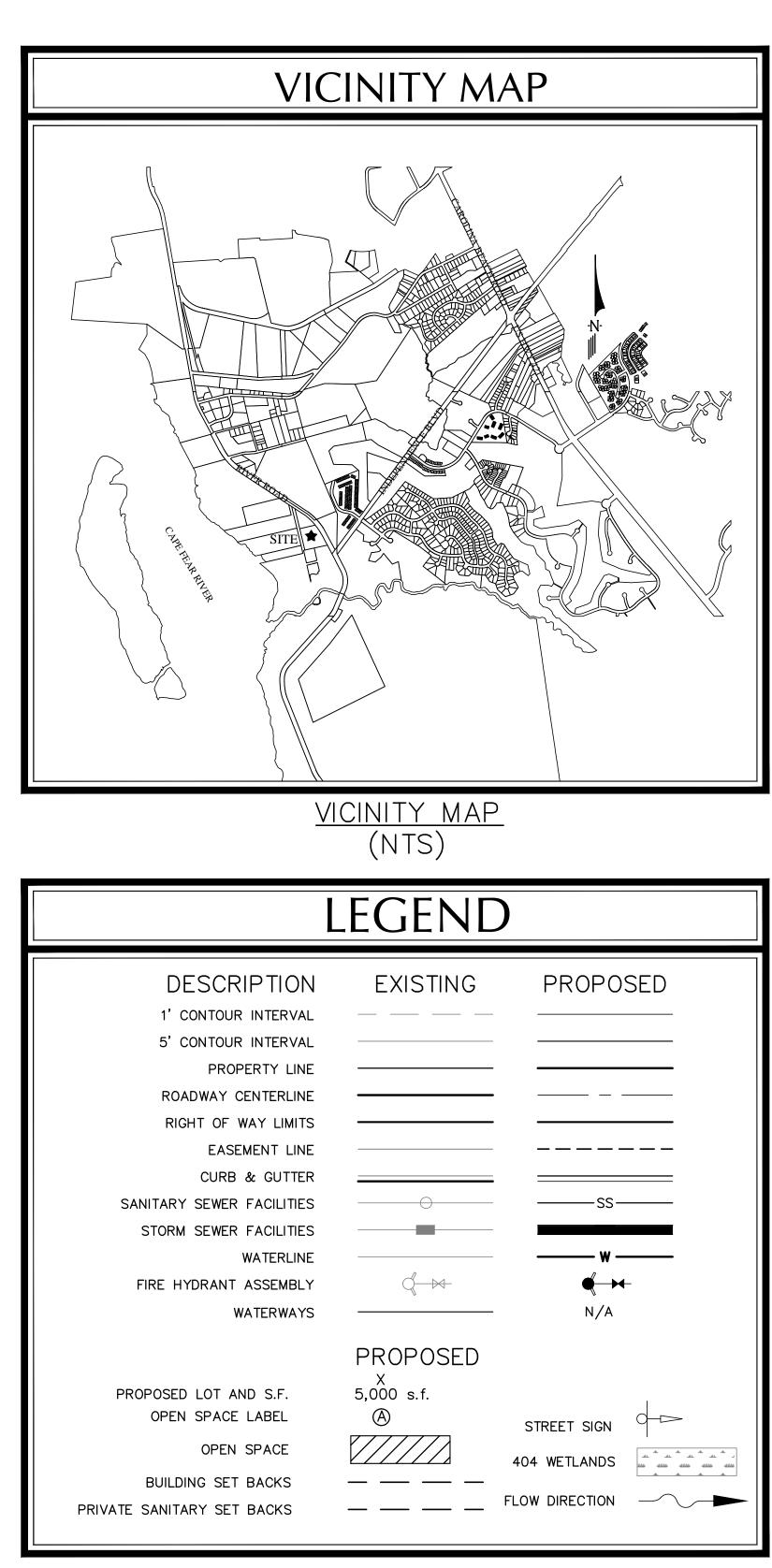
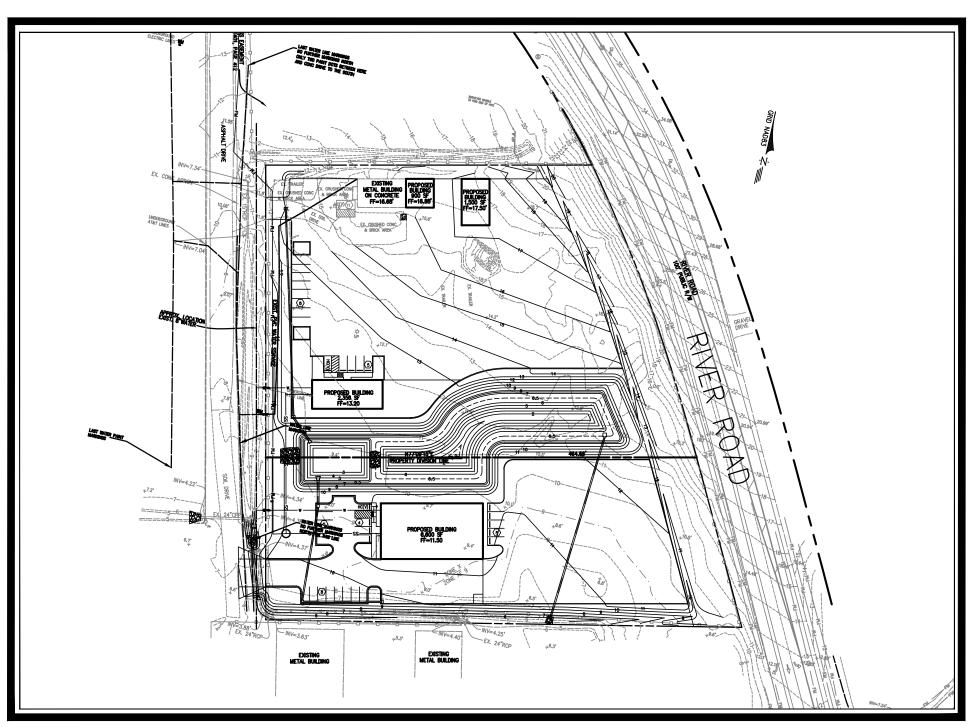
# SITE DEVELOPMENT PLAN FOR 4004 & 4018 RIVER ROAD PROPERTIES WILMINGTON, NORTH CAROLINA APRIL, 2018





N.T.S.

## DEVELOPER/OWNER

4004 & 4018 RIVER ROAD POND ASSOCIATION, INC P.O. BOX 15590 WILMINGTON, NC 28408 TEL: 910.612-2650

### COVER SHEET SHT C-0 SHT C-1 GENERAL NOTES SHT C-2 EXISTING CONDITIONS PLAN SITE PLAN SHT C-3 GRADING & DRAINAGE PLAN SHT C-4 DRAINAGE AREA PLAN SHT C-4.1 EROSION CONTROL PLAN SHT C-5 SHT C-7 WET DETENTION BASIN DETAILS SHT C-8 MISCELLANEOUS DETAILS MISCELLANEOUS DETAILS SHT C-9 SHT C-10 MISCELLANEOUS DETAILS LANDSCAPE PLAN SHT L-1 lannino For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

### **PREPARED BY:**

PORT CITY CONSULTING ENGINEERS, PLLC 6216 STONEBRIDGE ROAD WILMINGTON, NC 28409 910-599-1744 LICENSE No. P-1032

## PRELIMINARY - DO NOT USE FOR CONSTRUCTION

### SITE DATA TABLE

GENERAL NOTES: New Hanover County Parcel Nos.: R07000-002-007-000 4004 RIVER ROAD 2. Total Tract Area: 5.0 ac.± (217,890 s.f.) 3. Existing Zoning District: L Proposed Setback 99', 50, 124' Front 208', 316', 244' Rear Setbacks – 50' Front 35' Rear 0' Side 15', NA, 69' Side 4. CAMA Land Classification: Urban & Conservation **DEVELOPMENT DATA:** TOTAL TRACT AREA = 5.00 ac TOTAL DEVELOPMENT AREA = 5.00 gc PROPOSED LOT COVERAGE - CONTRACTOR'S STORAGE YARD & OFFICE MAX HEIGHT OF BLDG - 35 ' MAX BUILDING HEIGHT PROVIDED: EXISTING BLDG HEIGHT: 18 FT PROPOSED BLDG HEIGHT: 20 FT / 20 FT BLDG EXISTING – 1 (1,614 S.F. – STORAGE) BLDG PROPOSED – 2 (8,956 S.F. – OFFICE) BLDG PROPOSED – 2 (2,400 S.F. – STORAGE) GROSS BLDG SF – 12,970 S.F. IMPERVIOUS SURFACES -EXISTING: 1,614 S.F. (0.74%) BUILDING -6,204 S.F. 434 S.F. ABC STONE/GRAVEL -HC PARKING/CONCRETE 8,252 S.F. (3.8%) TOTAL PROPOSED: 11,356 S.F. (5.2%) 102,462 S.F. 650 S.F. BUILDING ASPHALT/GRAVEL -CONCRETE 114,468 S.F. TOTAL TOTAL GROSS IMPERVIOUS AREA -122,720 S.F. (56.4%) PARKING: MINIMUM PARKING REQUIRED OFFICE: (1 SPACE/300 SF) MAXIMUM PARKING REQUIRED: 45 (1 SPACE/200 SF) MINIMUM PARKING REQUIRED STORAGE: (1 SPACE/1000 SF) TOTAL MINIMUM PARKING REQUIRED: -34 TOTAL PARKING PROVIDED 1 – 5 SPACE BICYCLE PARKING UTILITY CAPACITY REQUESTS: PROPOSED SEWER FLOW: 25 GPD/EMPLOYEE = 25 GPD X 15 EMPLOYEES = 375 GPD PROPOSED WATER FLOW: 25 GPD/EMPLOYEE = 25 GPD X 15 EMPLOYEES = 375 GPD TRASH: DUMPSTERS LOCATED ON SITE BEHIND ENCLOSURES

Public Services 

Engineering Division APPROVED STORMWATER MANAGEMENT PLAN Permit #

<u>NOTE:</u> ALL DESIGN AND CONSTRUCTION SHALL BE IN CONFORMANCE WITH CITY OF WILMINGTON & THE STATE OF NORTH CAROLINA

INDEX OF SHEETS

Approved Construction Plan <u>Name</u> Date\_

SEAL 019742 S CNGINEEX COORDINATION NOTES

- 1. THE CONTRACTOR IS REQUIRED TO OBTAIN ANY/ALL PERMITS REQUIRED FOR CONSTRUCTION OF THESE
- 2. ALL WORK IS TO BE IN ACCORDANCE WITH CITY OF WILMINGTON, NEW HANOVER COUNTY, THE CAPE FEAR
- PUBLIC UTILITY AUTHORITY (CFPUA) AND THE STATE OF NORTH CAROLINA. 3. THE CONTRACTOR IS TO ESTABLISH AND CHECK ALL HORIZONTAL AND VERTICAL CONTROLS TO BE USED WITH THE PROJECT. IN ADDITION, THE CONTRACTOR IS TO COMPUTE THE LAYOUT OF THE ENTIRE SITE PLAN IN ADVANCE OF BEGINNING ANY WORK ASSOCIATED WITH THE SUBJECT PLANS. CONTRACTOR SHALL EMPLOY A PROFESSIONAL SURVEYOR TO PERFORM SITE IMPROVEMENT STAKEOUT(S).
- 4. ANYTIME WORK IS PERFORMED OFF-SITE OR WITHIN AN EXISTING EASEMENT, THE CONTRACTOR IS TO NOTIFY THE HOLDER OF SAID EASEMENT AS TO THE NATURE OF PROPOSED WORK, AND TO FOLLOW ANY GUIDELINES OR STANDARDS WHICH ARE ASSOCIATED WITH OR REFERENCED IN THE RECORDED EASEMENT.

#### GENERAL NOTES:

1. EXISTING TOPOGRAPHY, BOUNDARY AND UTILITIES, HAVE BEEN PREPARED BY OTHERS.

- 2. REASONABLE CARE HAS BEEN EXERCISED IN SHOWING THE LOCATION OF EXISTING UTILITIES ON THE PLANS. THE EXACT LOCATION OF ALL EXISTING UTILITIES IS NOT KNOWN IN ALL CASES. THE CONTRACTOR SHALL EXPLORE THE AREA AHEAD OF DITCHING OPERATIONS BY OBSERVATIONS, ELECTRONIC DEVICES, HAND DIGGING AND BY PERSONAL CONTACT WITH THE UTILITY COMPANIES. IN ORDER TO LOCATE EXISTING UTILITIES IN ADVANCE OF TRENCHING OPERATIONS SO AS TO ELIMINATE OR MINIMIZE DAMAGE TO EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS RESULTING FROM ANY DAMAGE TO THE EXISTING UTILITY LINES INCLUDING LOSS OF UTILITY REVENUES. CONTRACTOR SHALL ARRANGE FOR TEMPORARY SUPPORT OF EXISTING UTILITIES, SUCH AS POLES, CONDUITS, FIBER OPTIC CABLES, TELEPHONE CABLES, WATER LINES, ETC ...
- 3. CONTRACTOR SHALL COMPLY WITH THE LATEST REVISIONS AND INTERPRETATIONS OF THE DEPARTMENT OF LABOR SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION PROMULGATED UNDER THE OCCUPATIONAL SAFETY AND HEALTH ACT.
- 4. CONTRACTOR SHALL PLAN AND CONSTRUCT WORK SO AS TO CAUSE MINIMUM INCONVENIENCE TO THE OWNER AND THE PUBLIC. THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN AT ALL TIMES DURING THE PROGRESS OR TEMPORARY SUSPENSION OF WORK, SUITABLE BARRIERS, FENCES, SIGNS OR OTHER ADEQUATE PROTECTION, INCLUDING FLAGMEN AND WATCHMEN AS NECESSARY TO INSURE THE SAFETY OF THE PUBLIC AS WELL AS THOSE ENGAGED IN THE CONSTRUCTION WORK. CONSTRUCTION SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "CONSTRUCTION AND MAINTENANCE OPERATIONS SUPPLEMENT TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" BY THE DOT
- 5. ALL MATERIAL CLEARED OR DEMOLISHED BY THE CONTRACTOR IN ORDER TO CONSTRUCT THE WORK SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE PROPERLY DISPOSED OF OFF-SITE.
- 6. ALL WORK BY THE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A PERIOD OF ONE YEAR AFTER THE OWNER ACCEPTS THE WORK.
- 7. CONTRACTOR SHALL CALL THE NORTH CAROLINA ONE-CALL CENTER AT 1 (800) 632-4949 AND ALLOW THE CENTER TO LOCATE EXISTING UTILITIES BEFORE DIGGING.
- 8. CONTRACTOR SHALL REMOVE ASPHALT, AGGREGATE BASE COURSE, AND CONCRETE CURB & GUTTER WITHIN LIMITS OF DEMOLITION AS SHOWN ON PLAN.

#### <u>DEMOLITION NOTES</u>

- 1. CONTRACTOR TO COORDINATE WITH THE OWNER TO PROPERLY MAINTAIN OR RELOCATE EXISTING SERVICE CONNECTIONS WHEN NECESSARY
- 2. CONTRACTOR IS TO WALK THE SITE AND BECOME FAMILIAR WITH THE SCOPE OF DEMOLITION REQUIRED. ALL DEMOLITION WORK REQUIRED TO CONSTRUCT NEW SITE IMPROVEMENTS WILL BE PERFORMED BY THE CONTRACTOR AND WILL BE UNCLASSIFIED EXCAVATION.
- . DEMOLITION SHALL INCLUDE BUT IS NOT LIMITED TO THE EXCAVATION, HAULING AND OFFSITE DISPOSAL OF CONCRETE PADS, CONCRETE DITCHES, FOUNDATIONS, SLABS, STEPS, AND STRUCTURES: ABANDONED UTILITIES, BUILDINGS, PAVEMENTS AND ALL MATERIALS CLEARED AND STRIPPED TO THE EXTENT NECESSARY AS DIRECTED BY THE SOILS ENGINEER FOR THE INSTALLATION OF THE NEW IMPROVEMENTS AND WITHIN THE LIMITS OF CLEARING AND GRADING AND AS SHOWN ON THESE PLANS.
- 4. THE CONTRACTOR SHALL PROTECT ALL ADJACENT PROPERTY, STRUCTURES AND UTILITIES ON THE PROPERTY NOT TO BE DEMOLISHED. DAMAGE TO PROPERTIES OF OTHERS DUE TO THE CONTRACTOR'S ACTIVITIES SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT NO COST TO
- 5. ELECTRIC, TELEPHONE, SANITARY SEWER, WATER AND STORM SEWER UTILITIES THAT SERVICE OFF-SITE PROPERTIES SHALL BE MAINTAINED DURING THE CONSTRUCTION PROCESS BY THE CONTRACTOR.
- 6. EXISTING UTILITIES NOT INTENDED FOR DEMOLITION SHALL BE MAINTAINED, PROTECTED AND UNDISTURBED DURING DEMOLITION
- 7. ALL EXISTING IMPROVEMENTS INDICATED OR REQUIRED TO BE DEMOLISHED SHALL INCLUDE REMOVAL FROM THE PROPERTY AND PROPER DISPOSAL.
- 8. CONTRACTOR SHALL COORDINATE RELOCATION OF ALL EXISTING OVER HEAD AND UNDERGROUND UTILITIES INCLUDING CABLE, GAS, TELEPHONE AND ELECTRIC AND ANY OTHER UTILITIES THROUGH THE SITE WITH THE **RESPECTIVE COMPANIES.**
- 9. PROVIDE SMOOTH SAW CUT OF EXISTING PAVEMENTS, CURBS AND GUTTERS AND SIDEWALKS TO BE DEMOLISHED.
- 10. ALL DEMOLITION WORK SHALL BE DONE IN STRICT ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS AS WELL AS OSHA REGULATIONS.
- 11. INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS, BUT THE THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATIONS OF THE MAINS BY DIGGING TEST PITS BY HAND.

#### EROSION AND SEDIMENT CONTROL NOTES

#### **GENERAL NOTES:**

- 1. CLEAR AND REMOVE FROM SITE ALL TREES, ROOTS, ROOT MAT, ETC. FROM THE AREA WITHIN DESIGNATED CLEARING LIMITS.
- 2. PLANT GRASS OVER ALL GRADED AREAS AS SHOWN IN THE TABLE ON THIS SHEET OF CEASE OF ANY GRADING ACTIVITY.
- 3. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING AND RESTORING TO PRE-CONSTRUCTION CONDITIONS ANY AREAS OUTSIDE THE PROJECT LIMITS THAT MAY INADVERTENTLY BE DAMAGED DUE TO THE FAILURE OF THE EROSION MEASURES
- 4. DURING GRADING AND AFTER GRADING HAS BEEN COMPLETED, CONTRACTOR SHALL CONTINUE TO MAINTAIN PERMANENT AND TEMPORARY EROSION CONTROL MEASURES UNTIL FINAL INSPECTION AND APPROVAL BY THE NCDENR DIVISION OF LAND QUALITY.
- 5. WATER, FERTILIZE, MOW AND MAINTAIN SPRIGGED, SODDED AND PLANTED AREAS UNTIL FINAL APPROVAL BY THE NCDENR DIVISION OF LAND QUALITY. 6. ANY BORROW MATERIAL BROUGHT ONTO SITE MUST BE FROM A LEGALLY OPERATED MINE OR
- OTHER APPROVED SOURCE. 7. ANY EXCESS MATERIAL REMOVED FROM SITE MUST BE HAULED TO A LEGALLY OPERATED MINE OR OTHER APPROVED SOURCE.

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#### MAINTENANCE PLAN

- ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL BUT IN NO CASE LESS THAN ONCE EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.
- 2. ALL CONSTRUCTION ENTRANCES WILL BE PERIODICALLY TOP DRESSED WITH AN ADDITIONAL 2 INCHES OF #4 STONE TO MAINTAIN PROPER DEPTH. ANY SEDIMENT THAT IS TRACKED INTO HE STREET WILL BE IMMEDIATELY REMOVED.
- SEDIMENT WILL BE REMOVED BEHIND THE SEDIMENT FENCE WHEN IT BECOMES 0.5 FEET DEEP AT THE FENCE. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. SILT FENCE STAKES WILL BE SPACED 6 FEET APART UNLESS A WIRE BACKING IS USED WITH 8 FOOT STAKE SPACING.
- ALL SEEDED AREAS WILL BE FERTILIZED, RESEEDED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER.
- INSPECT SKIMMER SEDIMENT BASINS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (ONE-HALF INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT AND RESTORE THE BASIN TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT ACCUMULATES TO ONE-HALF THE DESIGN DEPTH. PULL THE SKIMMER TO ONE SIDE SO THAT THE SEDIMENT UNDERNEATH IT CAN BE EXCAVATED. EXCAVATE THE SEDIMENT FROM THE ENTIRE BASIN, NOT JUST AROUND THE SKIMMER OR THE FIRST CELL. MAKE SURE VEGETATION GROWING IN THE BOTTOM OF THE BASIN DOES NOT HOLD DOWN THE SKIMMER.
- IF THE SKIMMER IS CLOGGED WITH TRASH AND THERE IS WATER IN THE BASIN, USUALLY JERKING ON THE ROPE WILL MAKE THE SKIMMER BOB UP AND DOWN AND DISLODGE THE DEBRIS AND RESTORE FLOW. IF THIS DOES NOT WORK, PULL THE SKIMMER OVER TO THE SIDE OF THE BASIN AND REMOVE THE DEBRIS.
- IF THE SKIMMER ARM OR BARREL PIPE IS CLOGGED, THE ORIFICE CAN BE REMOVED AND THE OBSTRUCTION CLEARED WITH A PLUMBER'S SNAKE OR BY FLUSHING WITH WATER. BE SURE AND REPLACE THE ORIFICE BEFORE REPOSITIONING THE SKIMMER.
- CHECK THE FABRIC LINED SPILLWAY FOR DAMAGE AND MAKE ANY REQUIRED REPAIRS WITH FABRIC THAT SPANS THE FULL WIDTH OF THE SPILLWAY. CHECK THE EMBANKMENT. SPILLWAYS, AND OUTLET FOR EROSION DAMAGE. AND INSPECT THE EMBANKMENT FOR PIPING AND SETTLEMENT. MAKE ALL NECESSARY REPAIRS IMMEDIATELY. REMOVE ALL TRASH AND OTHER DEBRIS FROM THE SKIMMER AND POOL AREAS.
- FREEZING WEATHER CAN RESULT IN ICE FORMING IN THE BASIN. SOME SPECIAL PRECAUTIONS SHOULD BE TAKEN IN THE WINTER TO PREVENT THE SKIMMER FROM PLUGGING WITH ICE.
- 6. INSPECT WATTLE AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL.
- SHOULD WATTLE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE PROMPTLY. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN TO REDUCE PRESSURE ON THE WATTLE. TAKE CARE TO AVOID DAMAGING OR UNDERMINING THE WATTLE DURING CLEANOUT.
- 7. INSPECT SILT SACK AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL EVENT.
- REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM THE SURFACE AND VICINITY OF THE UNIT AFTER EACH STORM EVENT.

#### STABILIZATION NOTES

1. ALL DISTURBED AREAS WILL BE STABILIZED WITHIN 15 WORKING DAYS OF CEASE OF ANY PHASE OF ACTIVITY AND SLOPES WITHIN 21 CALENDAR DAYS.

PERMANENT SEEDING SCHEDULE - MIXTURE 5CP

CENTIPEDE GRASS

RATE (LB/ACRE) 10–20

Seeding Dates

MARCH - JUNE

Soil Amendments APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY 300 LB/ACRE 10-10-10 FERTILIZER.

Mulch DO NOT MULCH.

Maintenance FERTILIZE VERY SPARINGLY LB/ACRE NITROGEN IN SPRING WITH NO PHOSPHORUS. CENTIPEDE GRASS CANNOT TOLERATE HIGH PH OR EXCESS FERTILIZER.

TEMPORARY SEEDING-LATE WINTER/EARLY SPRING

#### WINTER AND EARLY SPRING

<u>RATE (LB/ACRE)</u> <u>SPECIES</u> Rye (GRAIN) 120 \*ANNUAL LESPEDEZA (KOBE IN PIEDMONT 50 AND COASTAL PLAIN, KOREAN IN MOUNTAINS)

\*OMIT ANNUAL LESPEDEZA WHEN DURATION OF TEMPORARY COVER IS NOT TO EXTEND BEYOND JUNE.

<u>SUMMER</u>

<u>FALL</u>

RATE (LB/ACRE) 40

GERMAN MILLET

<u>SPECIES</u>

RATE (LB/ACRE)

#### SPECIES RYE (GRAIN)

Seeding dates COASTAL PLAIN - DEC.1-APR. 15 - LATE WINTER AND EARLY SPRING APRIL 15 - AUG. 15 - SUMMER AUG. 15 - DEC. 30 - FALL

### Soil amendments

FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.

Mulch APPLY 4,000 LB/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

### Maintenance

REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

### GENERAL GRADING NOTES

- 1. REASONABLE CARE HAS BEEN EXERCISED IN SHOWING THE LOCATION OF EXISTING UTILITIES ON THE PLANS. THE EXACT LOCATION OF SUCH UTILITIES IS NOT KNOWN IN ALL CASES. THE CONTRACTOR SHALL EXPLORE THE AREA AHEAD OF THE DITCHING OPERATION BY OBSERVATIONS, ELECTRONIC DEVICES, HAND DIGGING AND BY PERSONAL CONTACT WITH THE UTILITY COMPANIES IN ORDER TO LOCATE EXISTING UTILITIES IN ADVANCE OF THE TRENCHING OPERATIONS SO AS TO AVOID AND PREVENT DAMAGE TO THE EXISTING UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COST RESULTING FROM ANY DAMAGE TO THE EXISTING UTILITY LINES INCLUDING BUT NOT LIMITED TO REPAIRS AND LOSS SERVICE REVENUE. CONTRACTOR SHALL ARRANGE FOR TEMPORARY SUPPORT OF EXISTING UTILITIES, SUCH AS POLES, CONDUITS, FIBER OPTIC CABLES, TELEPHONE CABLES, WATER LINES, ETC ... 2. CONTRACTOR SHALL COMPLY WITH THE LATEST REVISIONS AND INTERPRETATIONS OF THE
- DEPARTMENT OF LABOR SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION PROMULGATED UNDER THE OCCUPATIONAL SAFETY AND HEALTH ACT.
- 3. CONTRACTOR SHALL PLAN AND CONSTRUCT WORK SO AS TO CAUSE MINIMUM INCONVENIENCE TO THE OWNER AND THE PUBLIC. THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN AT ALL TIMES DURING THE PROGRESS OR TEMPORARY SUSPENSION OF WORK, SUITABLE BARRIERS, FENCES, SIGNS OR OTHER ADEQUATE PROTECTION, INCLUDING FLAG MEN AND WATCHMEN AS NECESSARY TO INSURE THE SAFETY OF THE PUBLIC AS WELL AS THOSE ENGAGED IN THE CONSTRUCTION WORK. CONSTRUCTION SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "CONSTRUCTION AND MAINTENANCE OPERATIONS SUPPLEMENT TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" BY THE NCDOT.
- 4. ALL MATERIAL CLEARED AND GRUBBED BY THE CONTRACTOR IN ORDER TO CONSTRUCT THE WORK, SUCH AS TREES, VEGETATION, FENCING, ETC ... SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE PROPERLY DISPOSED OF OFF-SITE OR BURNED IF PROPER PERMITS ARE RECEIVED.

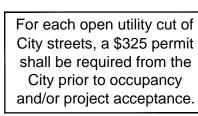
#### <u>SITE NOTES</u>

- ANY DISCREPANCY IN THIS PLAN AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER PRIOR TO START OF CONSTRUCTION. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL SETBACKS, EASEMENTS AND DIMENSIONS SHOWN HEREON BEFORE BEGINNING CONSTRUCTION.
- 2. THE GENERAL CONTRACTOR SHALL CONTACT ALL OWNERS OF EASEMENTS, UTILITIES AND R.O.W.'S PUBLIC OR PRIVATE, PRIOR TO WORKING IN THESE AREAS.
- 3. CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC SHALL BE PROTECTED FROM INJURY, AND ADJOINING PROPERTY PROTECTED FROM DAMAGE.
- 4. ACCESS TO UTILITIES, FIRE HYDRANTS, STREET LIGHTING, ETC., SHALL REMAIN
- UNDISTURBED, UNLESS COORDINATED WITH THE RESPECTIVE UTILITY. 5. DO NOT SCALE THIS DRAWING AS IT IS A REPRODUCTION AND SUBJECT TO DISTORTION.
- 6. THE GENERAL CONTRACTOR SHALL REMOVE ALL DEBRIS FROM THE SITE UPON COMPLETION
- OF THE PROJECT AND AT LEAST ONCE A WEEK DURING CONSTRUCTION.
- 7. THE GENERAL CONTRACTOR SHALL KEEP THE AREA OUTSIDE THE "CONSTRUCTION LIMITS" BROOM CLEAN AT ALL TIMES. 8. CONTRACTOR SHALL MAINTAIN AN "AS-BUILT" SET OF DRAWINGS TO RECORD THE
- EXACT LOCATION OF ALL PIPING PRIOR TO CONCEALMENT. DRAWINGS SHALL BE GIVEN TO THE OWNER UPON COMPLETION OF THE PROJECT WITH A COPY OF THE TRANSMITTAL LETTER TO THE ENGINEER.
- 9. IF DEPARTURES FROM THE SPECIFICATIONS OR DRAWINGS ARE DEEMED NECESSARY BY THE CONTRACTOR, DETAILS OF SUCH DEPARTURES AND REASONS THEREOF SHALL BE GIVEN TO THE OWNER FOR REVIEW, NO DEPARTURES FROM THE CONTRACT DOCUMENT SHALL BE MADE WITHOUT THE PERMISSION OF THE OWNER.
- 10. CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES. THE LOCATION OF ALL EXISTING UTILITIES ARE NOT NECESSARILY SHOWN ON PLANS AND WHERE SHOWN ARE ONLY APPROXIMATE. THE CONTRACTOR SHALL ON HIS INITIATIVE AND AT NO EXTRA COST HAVE LOCATED ALL UNDERGROUND LINES AND STRUCTURES AS NECESSARY NO CLAIMS FOR DAMAGES OR EXTRA COMPENSATION SHALL ACCRUE TO THE CONTRACTOR FROM THE PRESENCE OF SUCH PIPE OTHER OBSTRUCTIONS OR FROM DELAY DUE TO REMOVAL OR REARRANGEMENT OF THE SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UNDERGROUND STRUCTURES. CONTACT NORTH CAROLINA ONE CALL" TOLL FREE 1-800-632-4949 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL NONSUBSCRIBING UTILITIES.
- 11. ALL PERMITS RELATIVE TO PROJECT MUST BE OBTAINED, PRIOR TO CONSTRUCTION
- 12. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH PERMITS ISSUED AND APPLICABLE STATE, COUNTY, AND LOCAL CODES.
- 13. FOR BUILDING DIMENSIONS, SEE ARCHITECTURAL DRAWINGS. 14. ALL DIMENSIONS AND RADII ARE TO OUTSIDE FACE OF BUILDING OR TO FACE
- OF CURB UNLESS OTHERWISE NOTED.
- 15. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL INSPECTIONS, CERTIFICATIONS, EQUIPMENT, ETC., THAT MAY BE REQUIRED. 16. THE ENGINEER AND/OR OWNER DISCLAIM ANY ROLE IN THE CONSTRUCTION MEANS

#### AND METHODS ASSOCIATED WITH THE PROJECT AS SET FORTH IN THESE PLANS. GENERAL STORM SEWER NOTES

- ALL STORM SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF WILMINGTON AND THE STATE OF NORTH CAROLINA REQUIREMENTS AS SPECIFIED ON THE DRAWINGS AND IN THE PROJECT SPECIFICATIONS
- BEDDING FOR ALL STORM SEWER PIPE SHALL BE AS SPECIFIED ON THE DRAWINGS, PROJECT SPECIFICATIONS, AND MANUFACTURER SPECIFICATIONS.
- ALL STORM SEWER PIPES TO BE HDPE ADS N-12 OR EQUIVALENT, UNLESS OTHERWISE SPECIFIED.
- 4. ALL STORM SEWER PIPES SHOWN AS RCP ON THE PLANS SHALL BE REINFORCED CONCRETE PIPE CONFORMING TO ASTM C-76, UNLESS INDICATED OTHERWISE ON PLANS





## VER ROAD PROPERTIES

NORTH CAROLINA

### 4004 & 4018 RIVER ROAD POND ASSOC., INC **P.O. BOX 15590** WILMINGTON, NC 28408

### EXISTING UTILITY NOTES

- 1. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO VERIFY THE ACTUAL LOCATION AND AVAILABILITY OF ALL EXISTING AND PROPOSED UTILITIES IN THE FIELD PRIOR TO GROUND BREAKING.
- 2. EXISTING UTILITIES AND STRUCTURES SHOWN, BOTH UNDERGROUND AND ABOVE GROUND, ARE BASED ON A FIELD SURVEY AND THE BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL FIELD VERIFY FIELD CONDITIONS PRIOR TO BEGINNING RELATED CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE IMMEDIATELY.

#### UTILITY CONTACTS:

1. CONTACT THE NORTH CAROLINA ONE CALL CENTER PRIOR TO DOING AND DIGGING. 1-800-632-4949

#### NOTICE REQUIRED

ALL EXISTING UNDERGROUND UTILITIES SHALL BE PHYSICALLY LOCATED BY CONTRACTOR PRIOR TO THE BEGINNING OF ANY CONSTRUCTION IN THE VICINITY OF SAID UTILITIES. CONTRACTORS SHALL NOTIFY OPERATORS WHO MAINTAIN UNDERGROUND UTILITY LINES IN THE AREA OF PROPOSED EXCAVATION AT LEAST TWO WORKING DAYS, BUT NOT MORE THAN TEN WORKING DAYS PRIOR TO ANY EXCAVATION OR DEMOLITION.

#### CONTACT "CAROLINA ONE CALL" AT 1-800-632-4949

POLICE - FIRE - RESCUE

EMERGENCY DIAL 911

NPDES NOTES						
GROUND STABILIZATION						
SITE AREA DESCRIPTION	STABILIZATION TIME FRAME	STABILIZATION TIME FRAME EXCEPTIONS				
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE				
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE				
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.				
SLOPES 3:1 OR FLATTER	14 DAYS	7–DAYS FOR SLOPES GREATER THAN 50 FEET IN LENGTH				
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE (EXCEPT FOR PERIMETERS AND HQW ZONES)				

2. BUILDING WASTES HANDLING

- 1. NO PAINT OR LIQUID WASTES IN STREAM OR STORM DRAINS
- 2. DEDICATED AREAS FOR DEMOLITION, CONSTRUCTION AND OTHER WASTES MUST BE LOCATED 50' FROM STORM DRAINS AND STREAMS UNLESS NO REASONABLE ALTERNATIVE AVAILABLE.
- 3. EARTHEN-MATERIALS STOCKPILES MUST BE LOCATED 50' FROM STORM DRAINS AND STREAMS UNLESS NO REASONALBLE ALTERNATIVES AVAILABLE.
- 4. CONCRETE MATERIALS MUST BE CONTROLLED TO AVOID CONTACT WITH SURFACE WATERS, WETLANDS OR BUFFERS.
- 3. INSPECTIONS
  - 1. SAME WEEKLY INSPECTION REQUIREMENTS
  - 2. SAME RAIN GAUGE & INSPECTIONS AFTER 0.5" RAIN EVENT
  - 3. INSPECTIONS ARE ONLY REQUIRED DURING "NORMAL BUSINESS HOURS".
  - 4. INSPECTION REPORTS MUST BE AVAILABLE ON-SITE DURING BUSINESS HOURS UNLESS A SITE-SPECIFIC EXEMPTION IS APPROVED.
  - 5. RECORDS MUST BE KEPT FOR 3 YEARS AND AVAILABLE UPON REQUEST.
- 6. ELECTRONICALLY AVAILABLE RECORDS MAY BE SUBSTITUTED UNDER CERTAIN CONDITIONS. 4. SEDIMENT BASINS
  - I. OUTLET STRUCTURES MUST WITHDRAW FROM BASIN SURFACE UNLESS DRAINAGE AREA IS LESS THAN 1 ACRE.
- 2. USE ONLY DWQ-APPROVED FLOCCULENTS. NPDES - SPECIFIC PLAN SHEET NOTES
- 1. THIS PAGE IS SUBMITTED TO COMPLY WITH NPDES GENERAL STORMWATER PERMIT NCG010000 ONLY. 2. THIS PAGE CAN BE APPROVED BY THE COUNTY PURSUANT TO NPDES GENERAL STORMWATER
- PERMIT NCG010000 ONLY. 3. THIS PAGE OF APPROVED PLANS IS ENFORCEABLE EXCLUSIVELY PURSUANT TO NPDES

GENERAL STORMWATER PERMIT NCG010000.

4. THE COUNTY IS NOT AUTHORIZED TO ENFORCE THIS PAGE OF THE PLANS AND IT IS NOT A PART OF THE APPROVED PLANS FOR THE PURPOSES OF ENFORCEMENT ACTION UNDER TEH COUNTY CODE.

Ţ	CITY OF	X	NGTON NORTH CAROLINA
Publi	c Services	•	Engineering Division
APPRO	VED STORMV	VAT	ER MANAGEMENT PLAN
Date:	Perm	it #_	

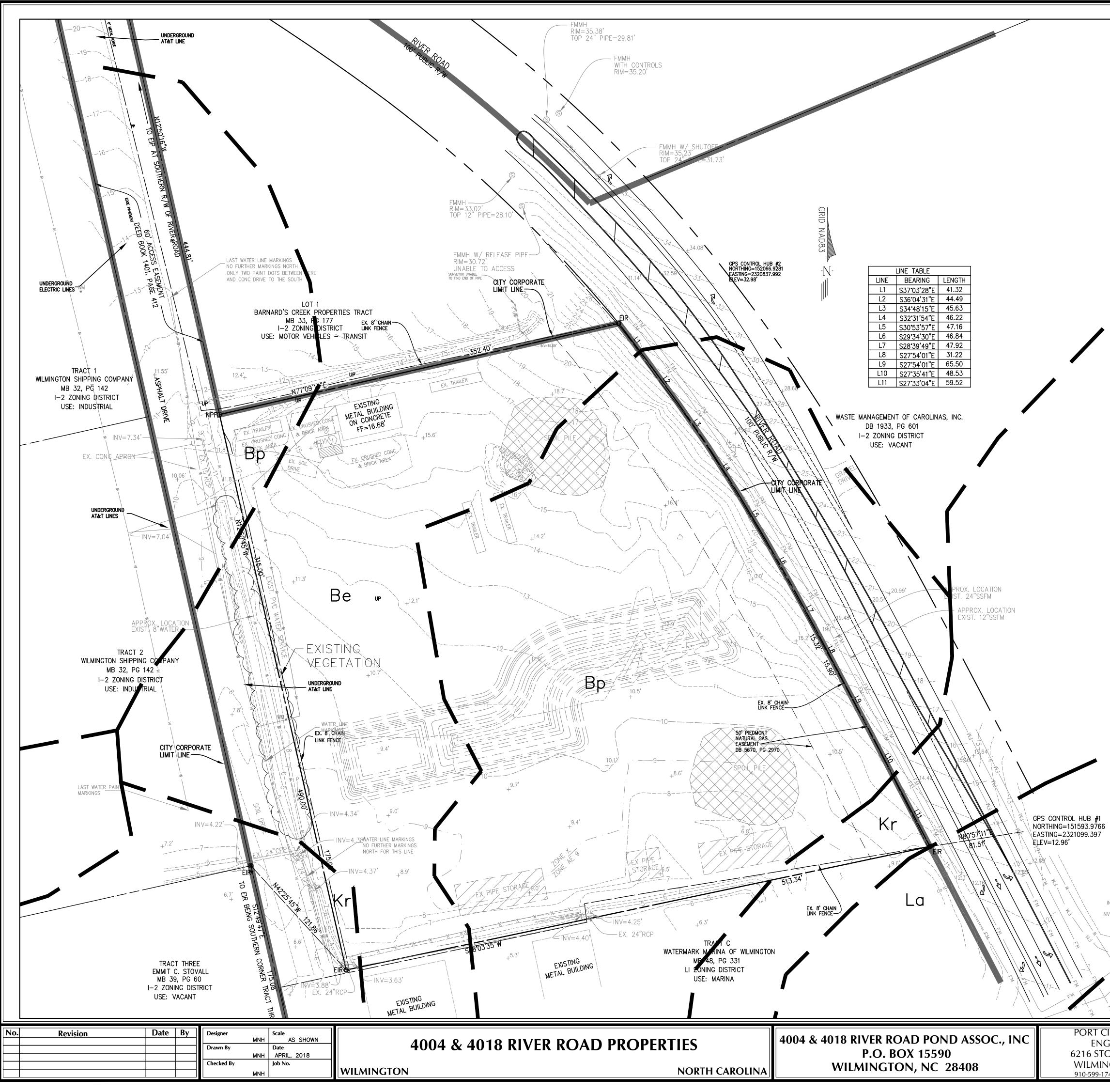
Approved Construction Plan

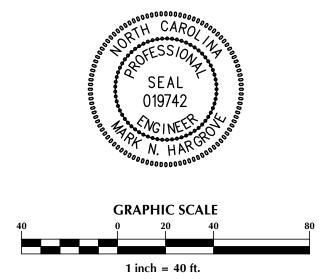
Name

**PRELIMINARY - DO NOT USE FOR CONSTRUCTION** 

<u>Date</u>

### **GENERAL NOTES**





## PRELIMINARY - DO NOT USE FOR CONSTRUCTION

Approved Construction Plan
Name Date
Ianning\_\_\_\_\_\_\_\_\_

raffic\_

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

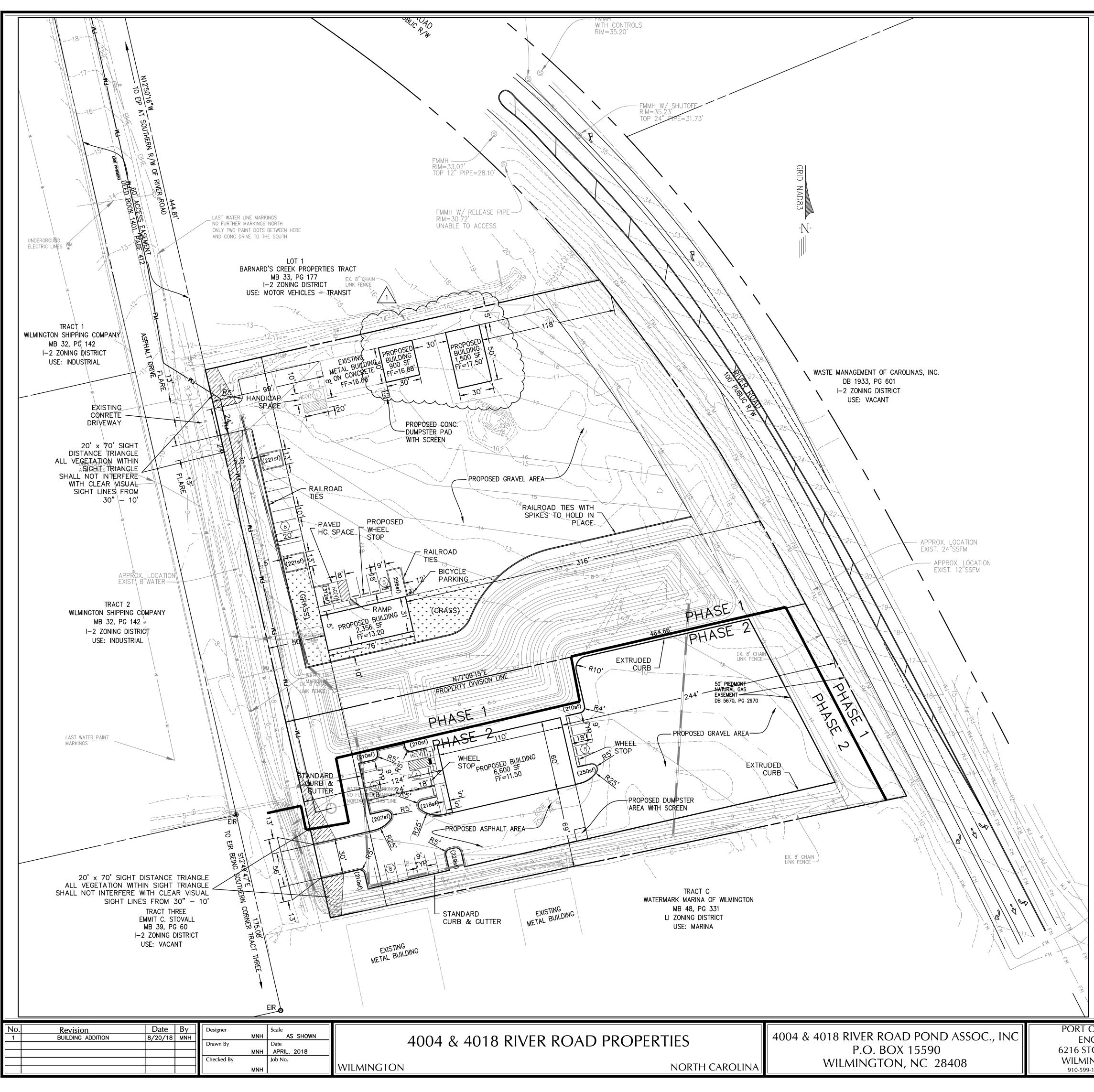


Public Services • Engineering Division APPROVED STORMWATER MANAGEMENT PLAN

PORT CITY CONSULTING ENGINEERS, PLLC 6216 STONEBRIDGE ROAD WILMINGTON, NC 28409 910-599-1744 LICENSE No. P-1032

**EXISTING CONDITIONS** 

Sheet No.



### GENERAL NOTES

- 1. THE PROPERTY DELINEATED HEREON IS LOCATED IN THE CITY OF WILMINGTON AND IDENTIFIED ON NEW HANOVER COUNTY GIS AS PARID: R07000-002-007-000.
- 2. THE PERMITTEE WILL BE RESPONSIBLE FOR THE MAINTENANCE OF STORM WATER DETENTION/DRAINAGE FACILITIES AND RESPECTIVE EASEMENTS.
- 3. BOUNDARY AND TOPOGRAPHIC DATA SHOWN HEREON IS TAKEN FROM A TOPOGRAPHIC SURVEY PREPARED BY ROBERT G. SESSOMS. PLS, P.C. DATED APRIL 23, 2013 EXCEPT FOR SOUTHWEST CORNER RE-SURVEYED MAY 28, 2013. VERTICAL DATUM OF SURVEY IS NAVD 88. HORIZONTAL DATUM OF SURVEY IS NAVD88.
- 4. EROSION AND SEDIMENT CONTROL STANDARDS SHALL BE PROVIDED IN ACCORDANCE WITH THE NEW HANOVER COUNTY SOIL EROSION AND SEDIMENT CONTROL ORDINANCE.
- 5. THE APPROVAL OF THESE PLANS SHALL IN NO WAY RELIEVE THE DEVELOPER OR HIS AGENT OF ANY LEGAL RESPONSIBILITY WHICH MAY BE REQUIRED BY THE CITY OF WILMINGTON.
- 6. THE APPROVAL OF THESE PLANS SHALL NOT RELIEVE THE OWNER/DEVELOPER OF COMPLYING WITH OTHER APPLICABLE LOCAL, STATE AND FEDERAL REQUIREMENTS.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL UNDERGROUND FACILITIES PRIOR TO THE CONSTRUCTION INCLUDING TEST HOLES TO PHYSICALLY LOCATE UNDERGROUND UTILITIES AS NECESSARY. RESULTS OF TEST PITS SHALL BE PROVIDED TO THE ENGINEER FOR CONFORMATION PRIOR TO CONSTRUCTION.
- 8. THESE PLANS MAKE NO REPRESENTATION AS TO SUBSURFACE CONDITIONS AND THE PRESENCE OF SUBSURFACE WATER OR THE NEED FOR SUBSURFACE DRAINAGE FACILITIES.
- 9. THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES, AS SHOWN HEREON, ARE APPROXIMATE ONLY. NO GUARANTEE IS HEREIN MADE OR IMPLIED THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN. IT SHALL BE THE CONTRACTOR'S AND/OR THE OWNER'S RESPONSIBILITY TO CONTACT UTILITY COMPANIES AND TO VERIFY THE TYPE, SIZE, AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO STARTING THE WORK. ANY DISCREPANCIES IN OR FROM THE INFORMATION SHOWN HEREON SHALL BE REPORTED TO URBAN, LTD. PRIOR TO COMMENCING CONSTRUCTION.
- 10. ALL WORK MUST COMPLY WITH NORTH CAROLINA STATE BUILDING AND HANDICAPPED ACCESSIBILITY COD VOL. 1C.

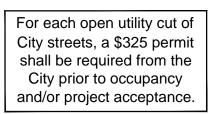
11. PUBLIC UTILITIES (WATER AND SANITARY SEWER) SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE CAPE FEAR PUBLIC UTILITY AUTHORITY.

12. ALL UTILITIES, BOTH PUBLIC AND PRIVATE, SHALL BE UNDERGROUND.

- 13. PROJECT SITE DRAINS TO THE CAPE FEAR RIVER, WHICH HAS A WATER CLASSIFICATION OF SC, STREAM INDEX NO. 18-(71) PER NCDENR DWQ NORTH CAROLINA WATERBODIES.
- 14. THE PROPOSED USE IS NON-RESIDENTIAL.
- 15. THERE ARE NO WETLANDS ON SITE.
- 16. THIS PROPERTY IS LOCATED IN ZONE X, AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, FIRM COMMUNITY PANEL MAP #3720313800J, DATED APRIL 3, 2006.
- 17. THE PROPERTY IS NOT LOCATED IN A SPECIAL HIGHWAY OVERLAY DISTRICT, THE DAWSON-WOOSTER CORRIDOR, WRIGHTSVILLE AVENUE CORRIDOR, OR SOUTH 17TH STREET/INDEPENDENCE BOULEVARD CORRIDOR.
- 18. THE PROPERTY MAY BE LOCATED WITHIN A CONSERVATION OVERLAY DISTRICT (COD). IF THE CITY DETERMINES PROPERTY IS LOCATED WITHIN A COD, THEN CONSERVATION RESOURCES AND ITS ASSOCIATED SETBACKS WILL BE PROTECTED IN ACCORDANCE TO THE CITY OF WILMINGTON LAND DEVELOPMENT CODE.
- 19. SOLID WASTE DISPOSAL WILL BE PROVIDED BY DUMPSTERS.
- 20. PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING SHALL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES. NO CONSTRUCTION WORKERS, TOOLS, MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.
- 21. ANY TREES AND/OR AREAS DESIGNATED TO BE PROTECTED MUST BE PROPERLY BARRICADED WITH FENCING AND PROTECTED THROUGHOUT CONSTRUCTION TO INSURE THAT NO CLEARING, GRADING OR STAGING OF MATERIAL WILL OCCUR IN THOSE AREAS.
- 22. NO EQUIPMENT IS ALLOWED ON SITE UNTIL ALL TREE PROTECTION FENCING AND SILT FENCING IS INSTALLED AND APPROVED. PROTECTIVE FENCING IS TO BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT AND CONTRACTORS SHALL RECEIVE ADEQUATE INSTRUCTION ON TREE PROTECTION METHODS.
- 23. ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.
- 24. ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER.
- 25. TACTILE WARNING MATS WILL BE INSTALLED ON ALL WHEELCHAIR RAMPS.
- 26. CONTRACTOR SHALL MAINTAIN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
- 27. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS OF WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY OF WILMINGTON AND/OR NCDOT STANDARDS.
- 28. ALL SIGNS AND PAVEMENT MARKINGS IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD STANDARDS.
- 29. A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION AND PARKS AND RECREATION DEPARTMENT FOR REVIEW PRIOR TO THE RECORDING OF THE FINAL PLAT.
- 30. CONTACT TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.



	GRA	PHIC SO	CALE	
40 	0	20	40 I	8
	1 ii	nch = 40	ft.	



Approved Construction Plan

<u>Name</u>

Planning\_\_\_\_\_ Traffic\_\_\_\_\_ Fire \_\_\_\_\_



 APPROVED STORMWATER MANAGEMENT PLAN

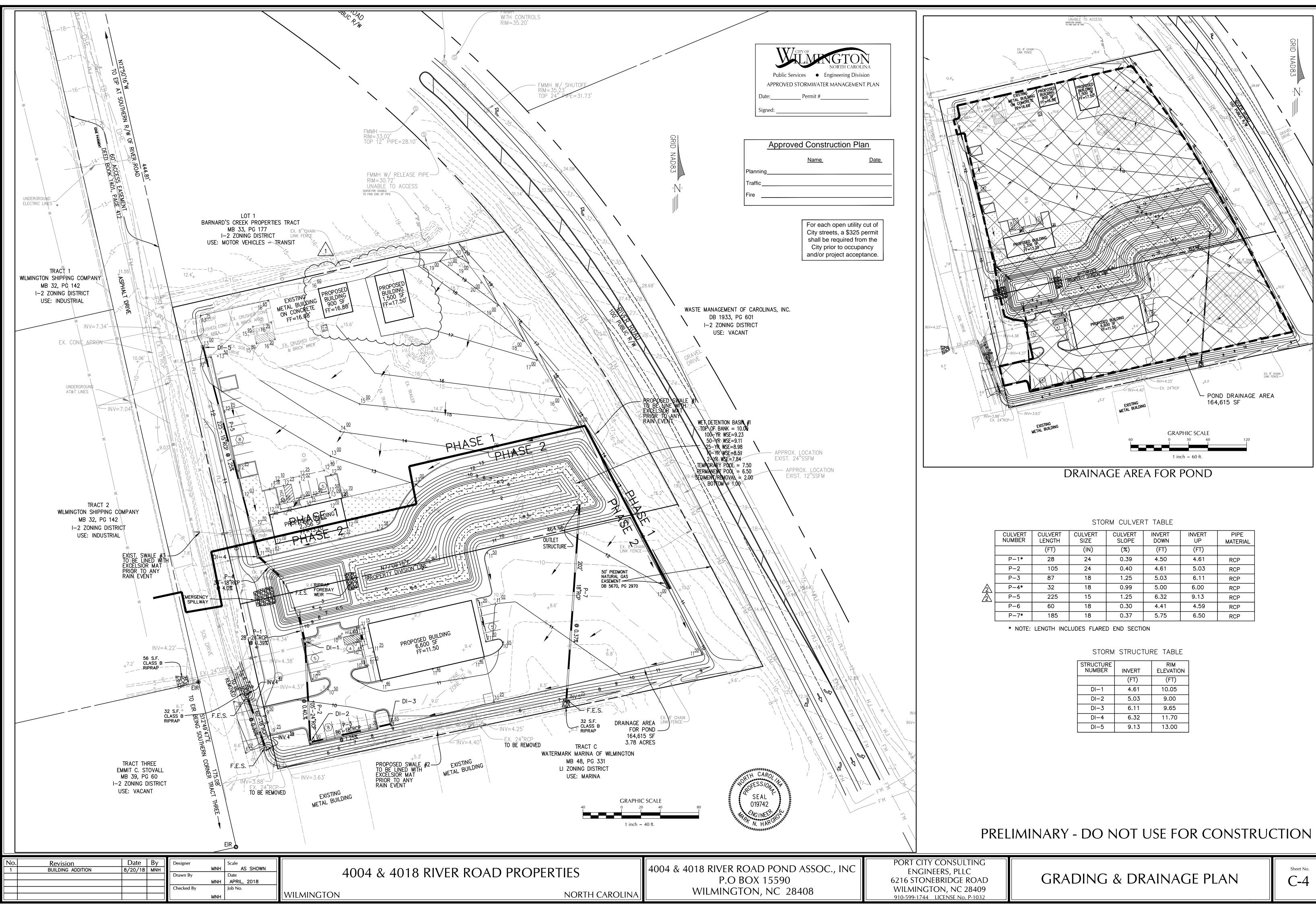
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 Permit #\_\_\_\_\_\_

PRELIMINARY - DO NOT USE FOR CONSTRUCTION

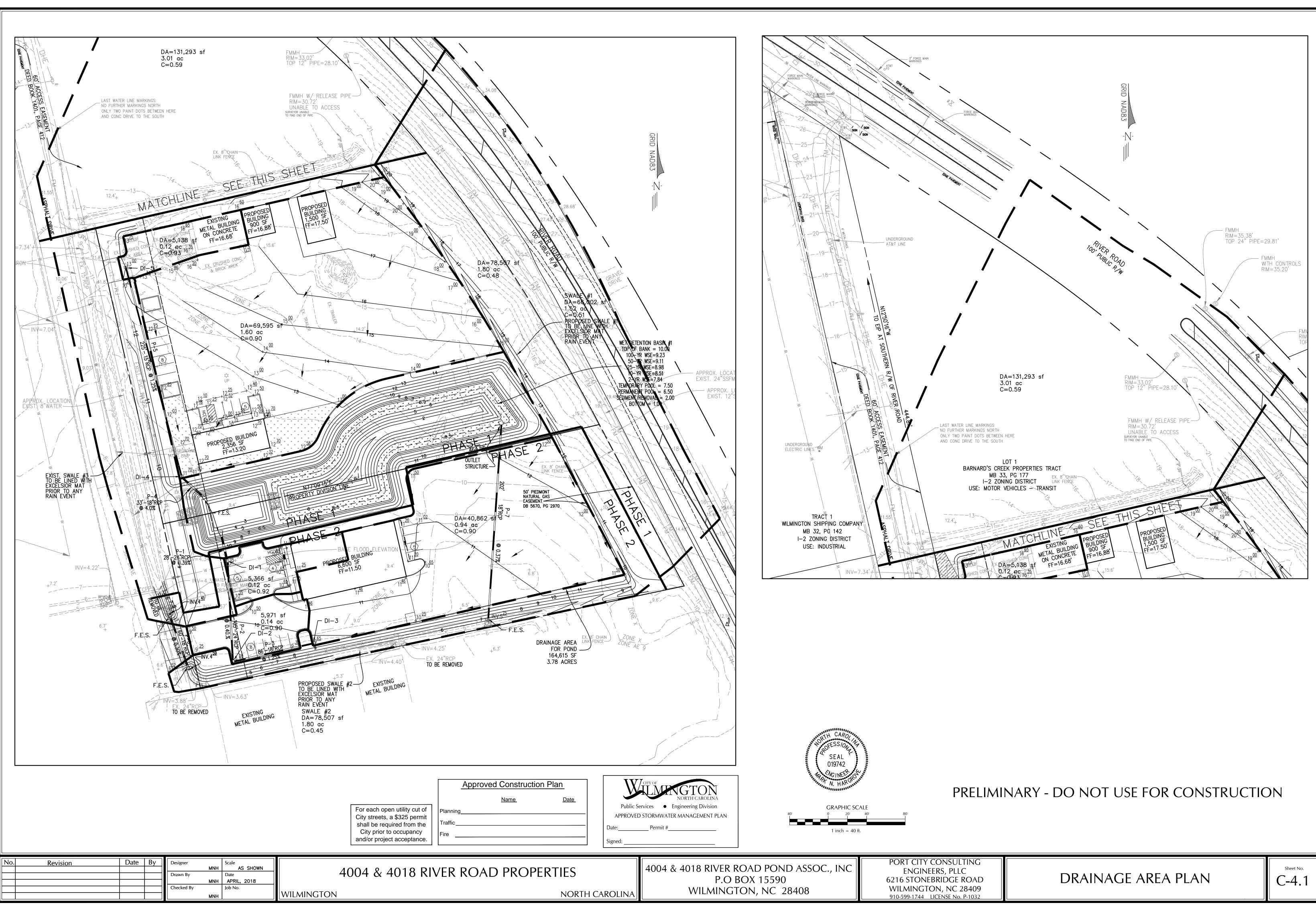
## SITE LAYOUT PLAN

<u>Date</u>

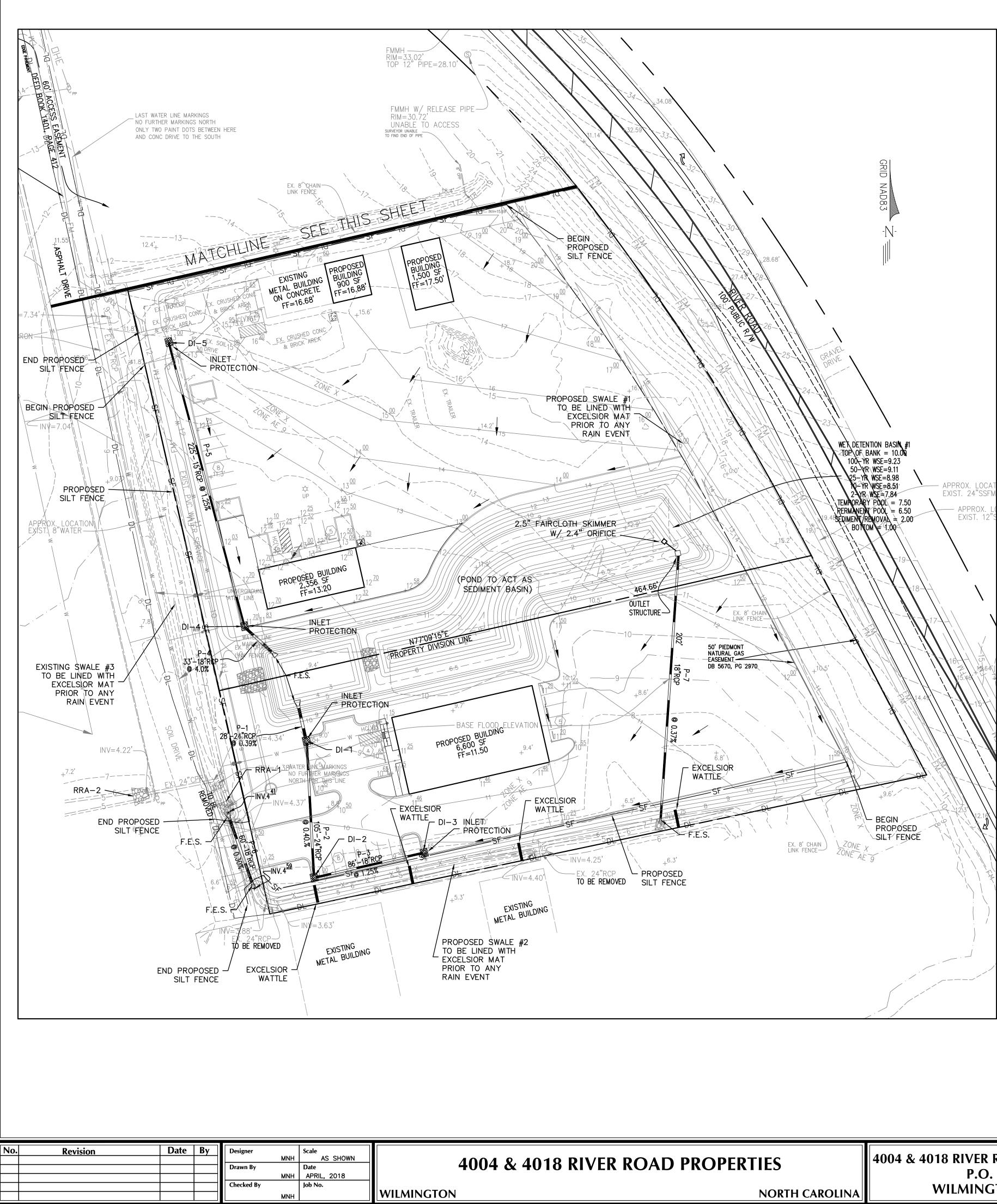


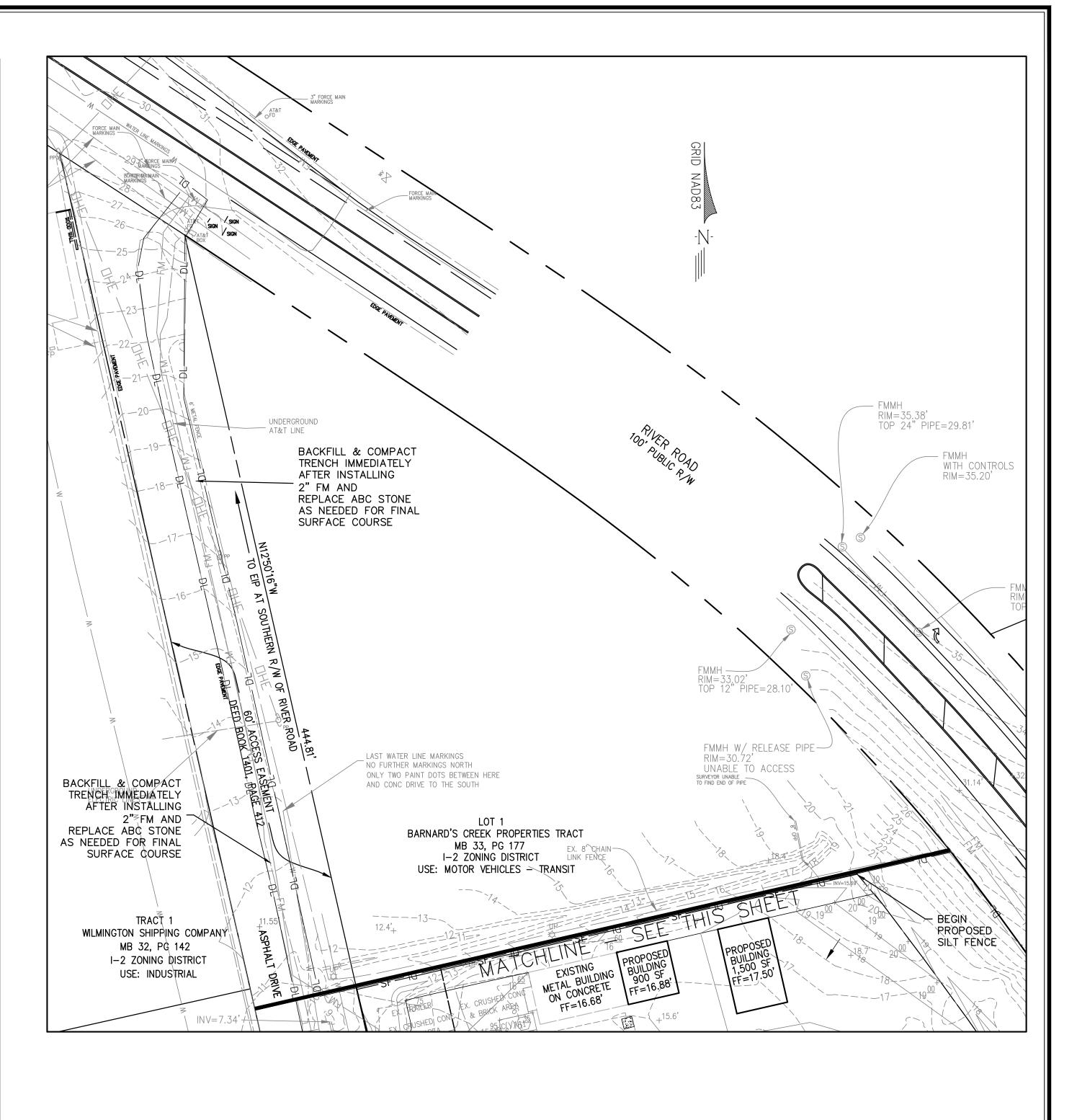
	CULVERT NUMBER	CULVERT LENGTH	CULVERT SIZE	CULVERT SLOPE	INVERT DOWN	INVERT UP	PIPE MATERIAL
		(FT)	(IN)	(%)	(FT)	(FT)	
	P-1*	28	24	0.39	4.50	4.61	RCP
	P-2	105	24	0.40	4.61	5.03	RCP
	P-3	87	18	1.25	5.03	6.11	RCP
	P-4*	32	18	0.99	5.00	6.00	RCP
	P-5	225	15	1.25	6.32	9.13	RCP
	P-6	60	18	0.30	4.41	4.59	RCP
	P-7*	185	18	0.37	5.75	6.50	RCP

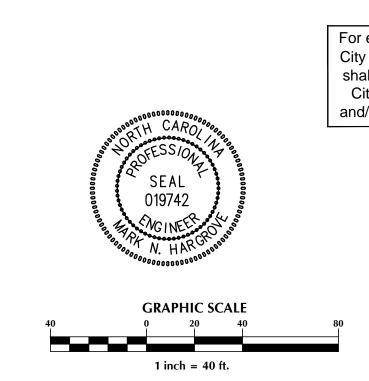
STRUCTURE NUMBER	INVERT	RIM ELEVATION
	(FT)	(FT)
DI-1	4.61	10.05
DI-2	5.03	9.00
DI-3	6.11	9.65
DI-4	6.32	11.70
DI-5	9.13	13.00



ITY CONSULTING
GINEERS, PLLC
ONEBRIDGE ROAD
IGTON, NC 28409
744 LICENSE No. P-1032







4004 & 4018 RIVER ROAD POND ASSOC., INC P.O. BOX 15590 WILMINGTON, NC 28408

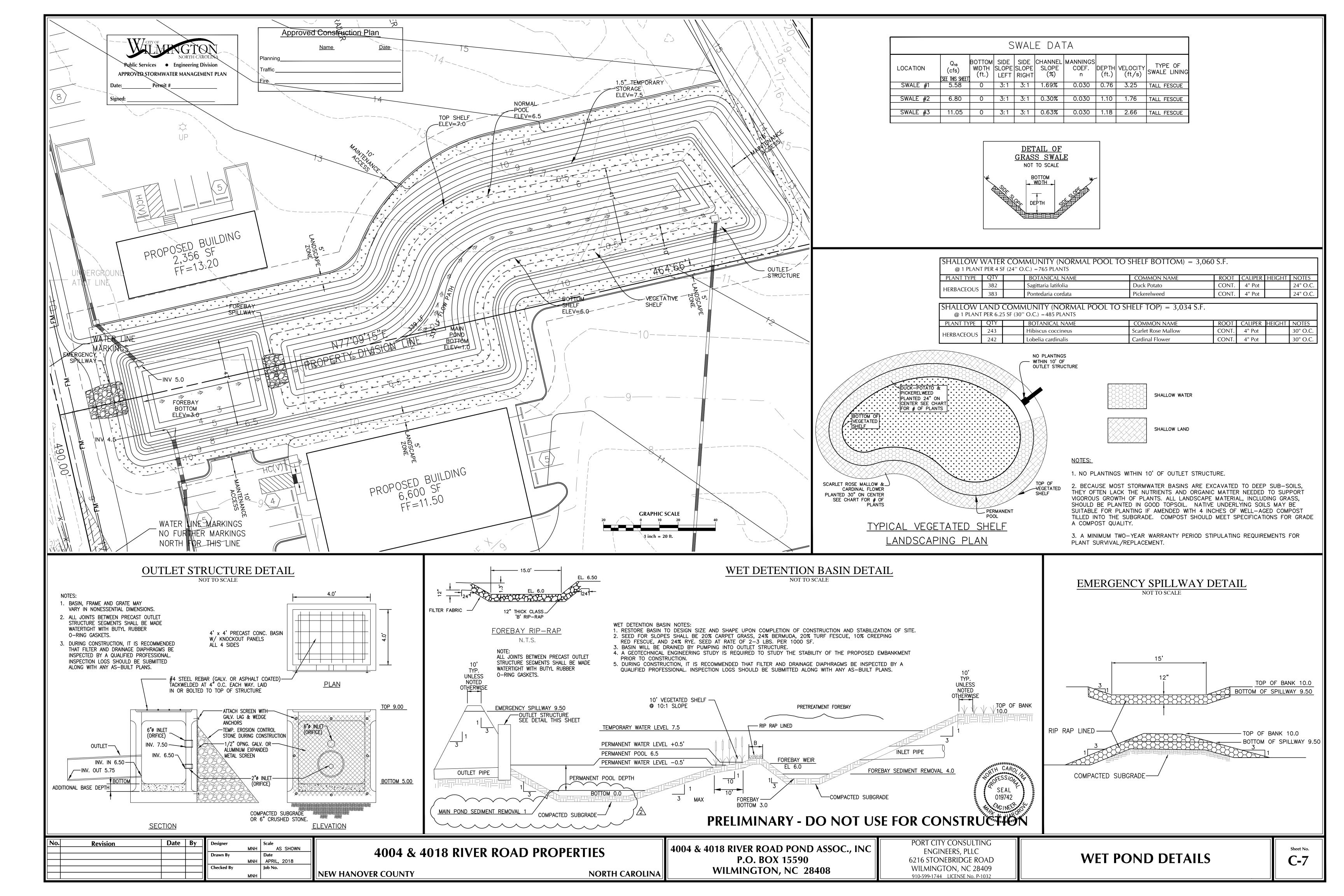
## **EROSION CONTROL PLAN**

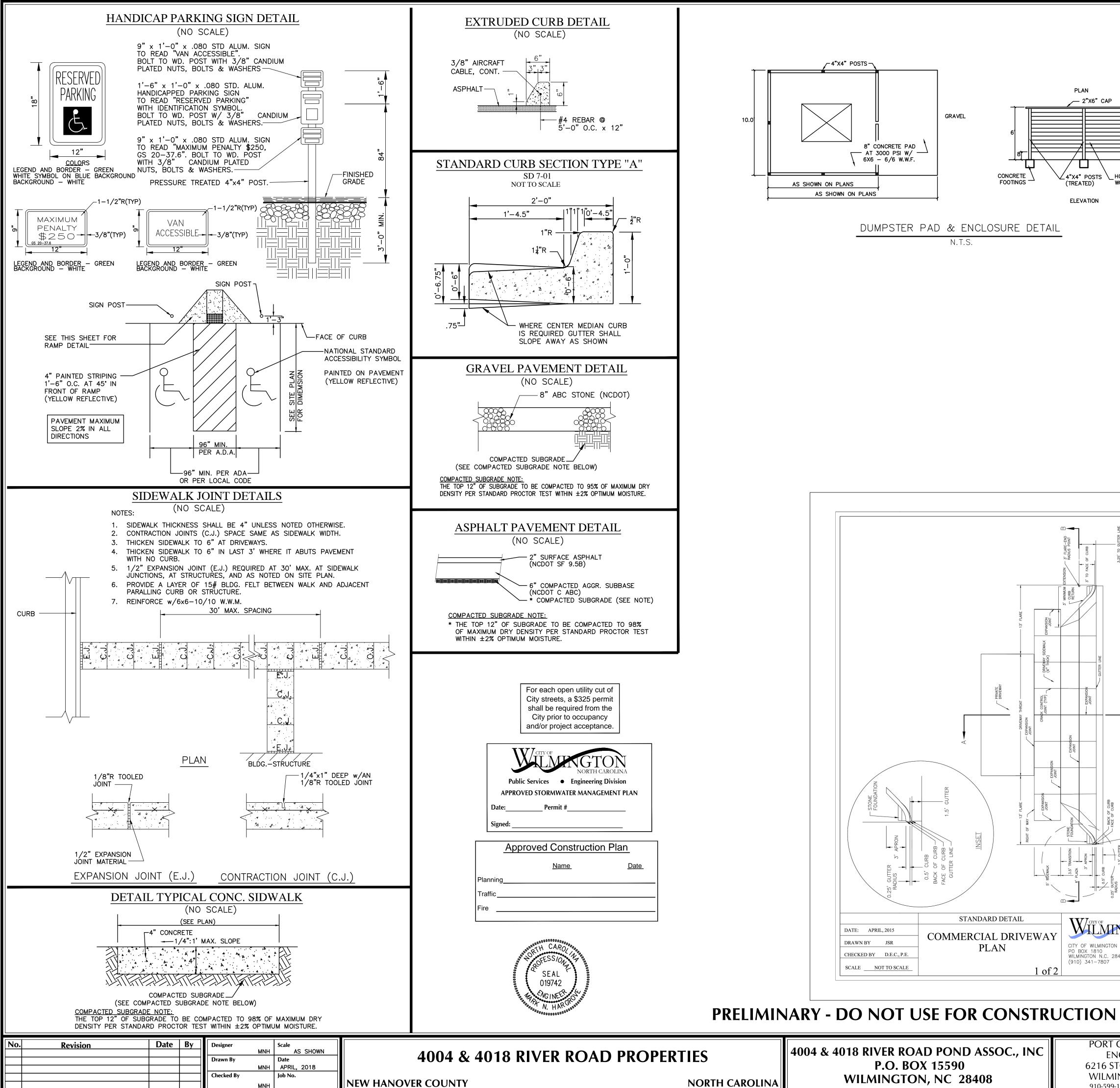
## **PRELIMINARY - DO NOT USE FOR CONSTRUCTION**

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

Approved Construction Plan				
	Name	Date		
Planning				
Traffic				
Fire				

Public Services Engineering Divisio APPROVED STORMWATER MANAGEMENT PLAN Permit #





4004 & 4018 RIVER ROAD POND ASSOC., INC **P.O. BOX 15590** WILMINGTON, NC 28408

STANDARD DETAIL

PLAN

(910) 341-7807

1 of 2

PLAN

(TREATED)

ELEVATION

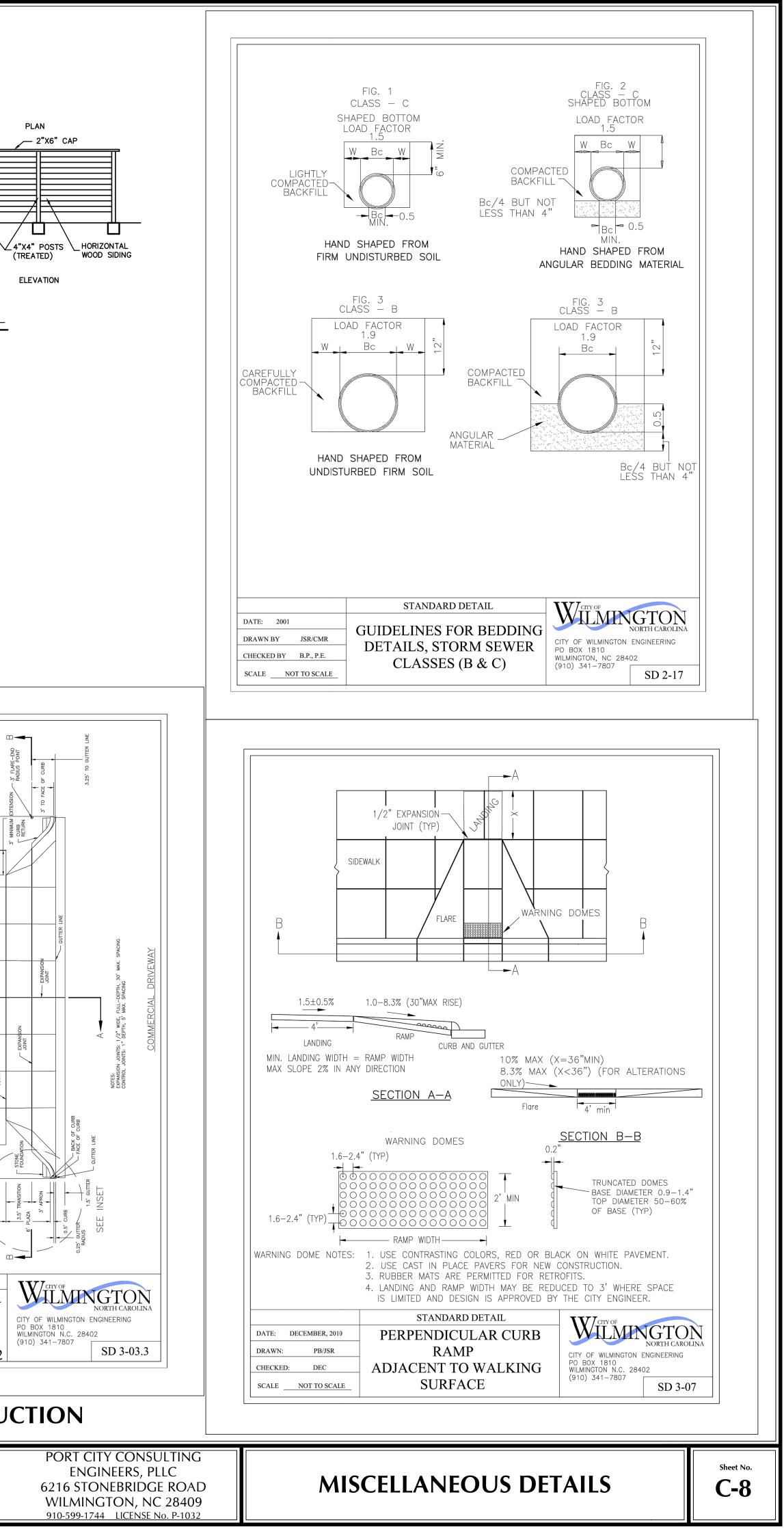
GRAVEL

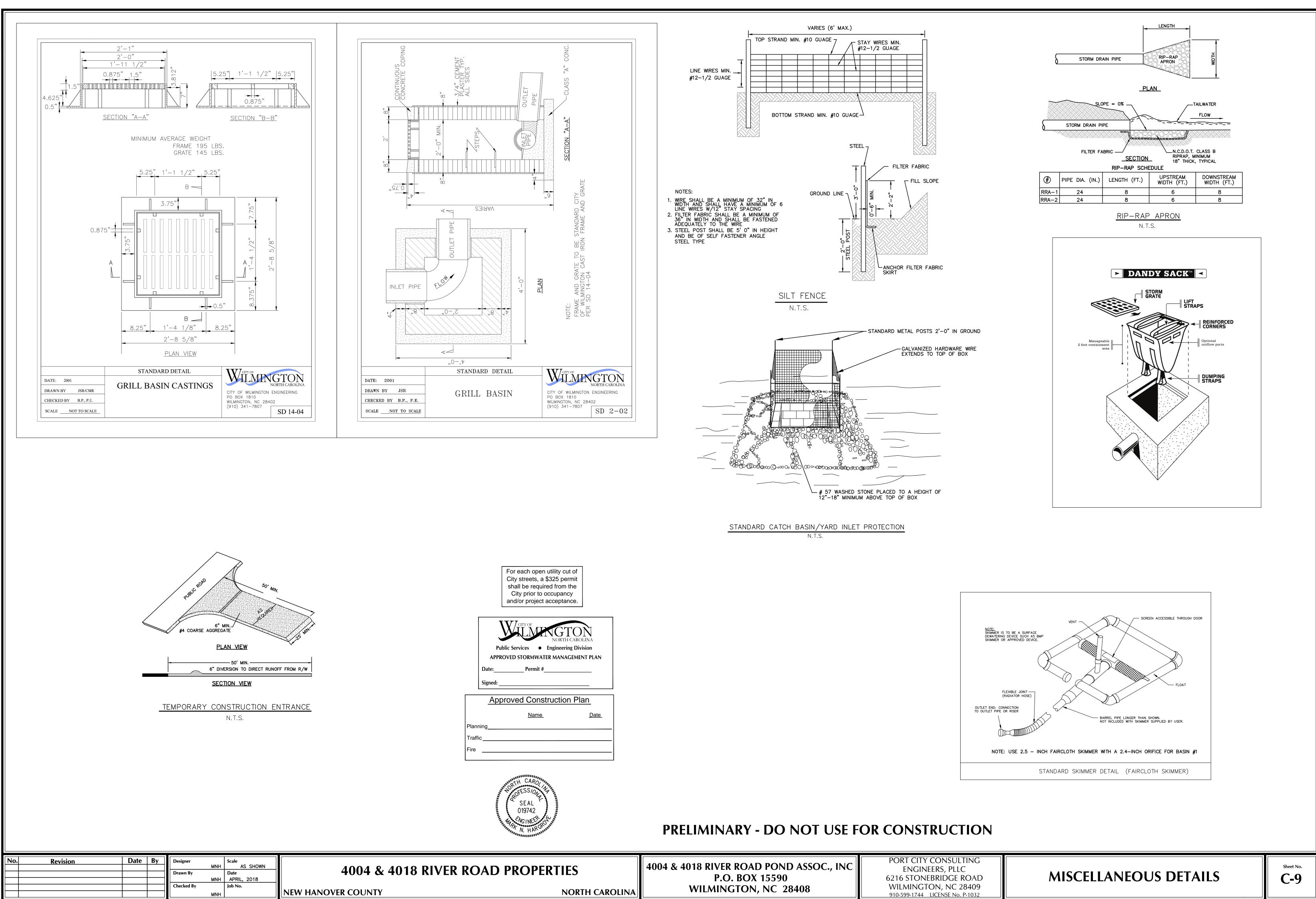
N.T.S.

CONCRETE

FOOTINGS

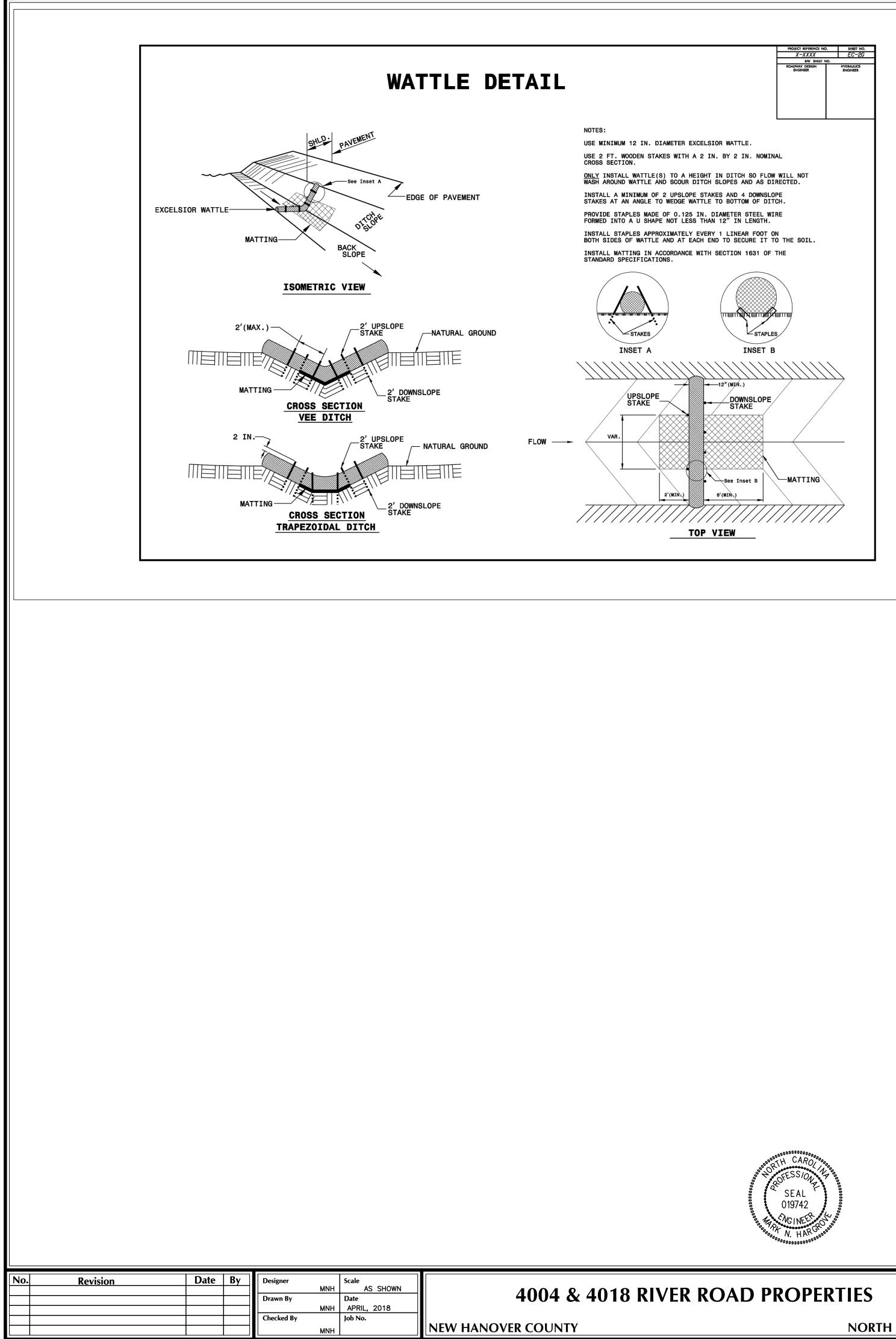
— 2"X6" CAP





		For each open utility cu City streets, a \$325 pe shall be required from City prior to occupan and/or project accepta	rmit the cy
		Ablic Services • Engineeri ROVED STORMWATER MANA	I CAROLINA ng Division GEMENT PLAN
	Dete	Downit #	
	Date:	Permit #	
	Signed:		
	Signed: _		
	Signed: _		
	Signed: _		
Planı	Signed:	proved Constructio	n Plan
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Traff	Signed: _  	oroved Constructio	n Plan
	Signed: _  	oroved Constructio	n Plan

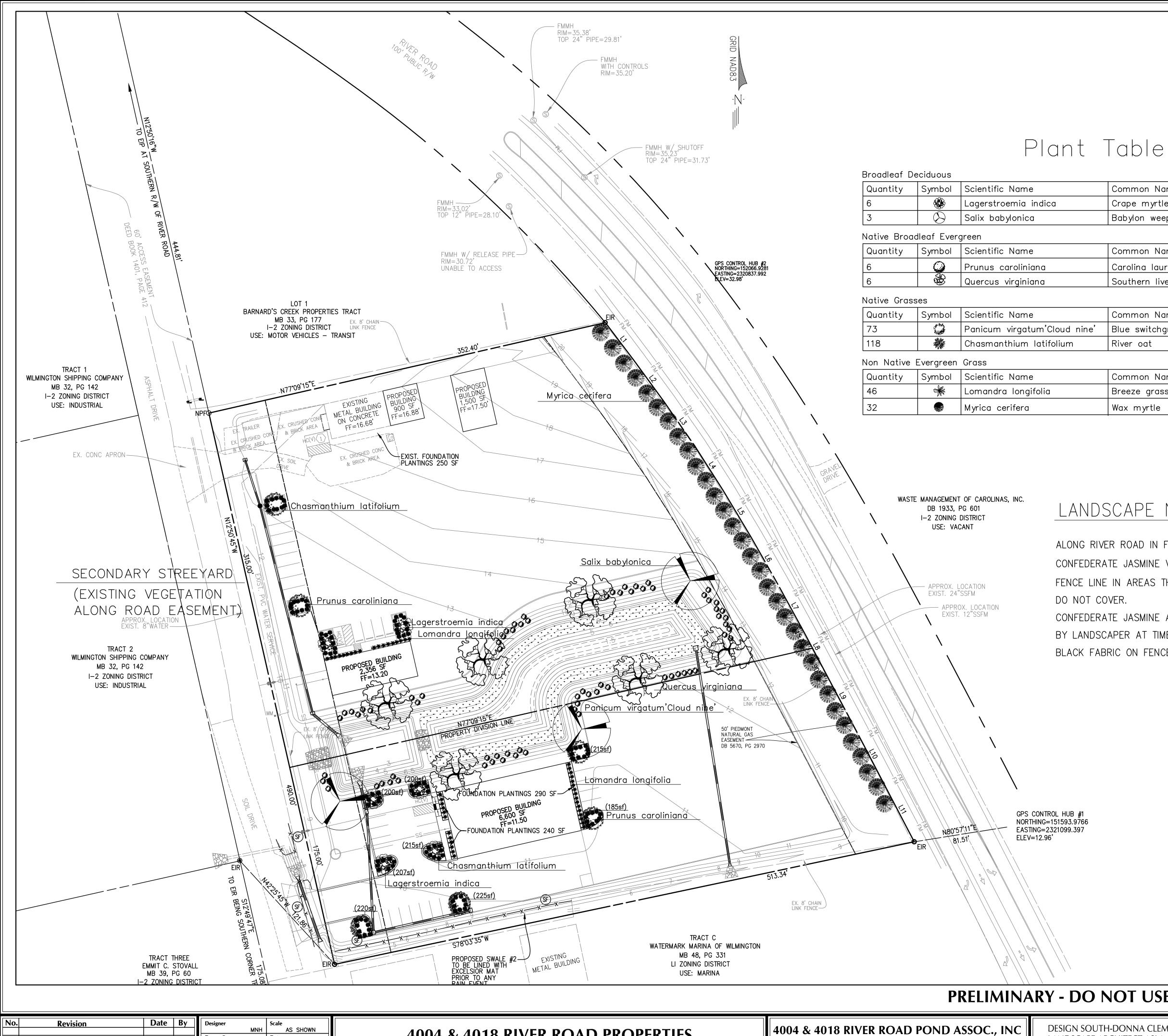
<b>VER ROAD PROPERTIES</b>	4004 & 4018 RIVER ROAD POND ASSOC., INC P.O. BOX 15590	
NORTH CAROLINA	WILMINGTON, NC 28408	



## **PRELIMINARY - DO NOT USE FOR CONSTRUCTION**

VER ROAD PROPERTIES	4004 & 4018 RIVER ROAD POND ASSOC., INC P.O. BOX 15590	6216 S
NORTH CAROLINA	WILMINGTON, NC 28408	WILM 910-599

## MISCELLANEOUS DETAILS



No.	Revision	Date	By	Designer		Scale	
					MNH	AS SHOWN	
				Drawn By		Date	4004 & 4018 RIV
					MNH	APRIL, 2018	
				Checked By		Job No.	
					MNH		NEW HANOVER COUNTY
-							

IVER ROAD PROPERTIES

RIVER ROAD

NORTH CAROLINA

P.O. BOX 15590 WILMINGTON, NC 28408 910 550 8788

	ing Size
Crape myrtle'Muscogee' 8—10'	multistem
Babylon weeping willow 2.5"co	aliper

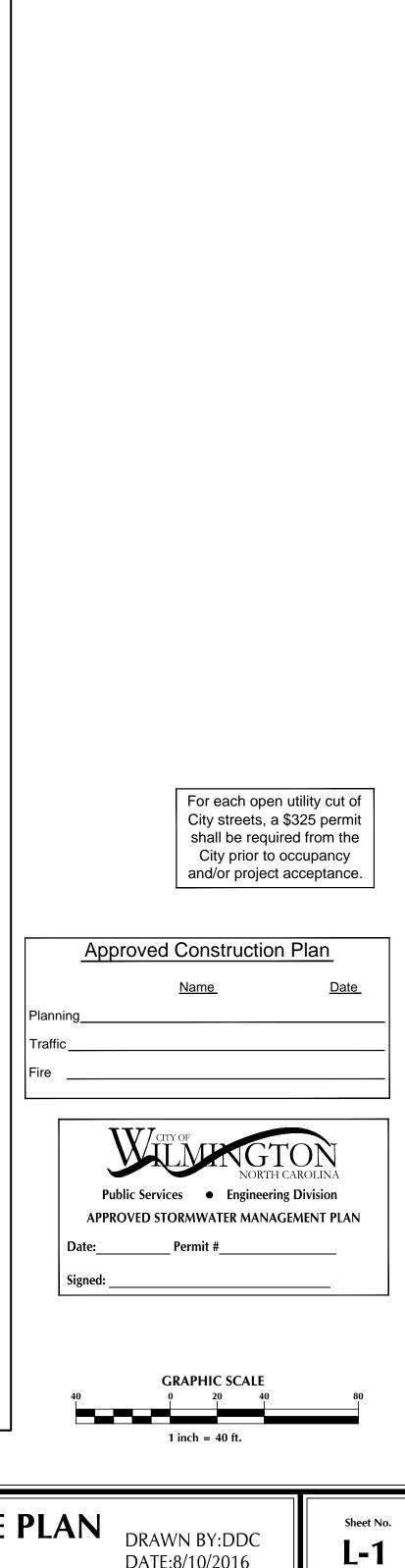
Common Name	Planting Size
Carolina laurel cherry	2.5"caliper
Southern live oak	2.5"caliper

Common Name	Planting Size
Blue switchgrass	3—gal
River oat	2 trays/liner

Common Name	Planting Size
Breeze grass	3—gal
Wax myrtle	6'

## LANDSCAPE NOTE:

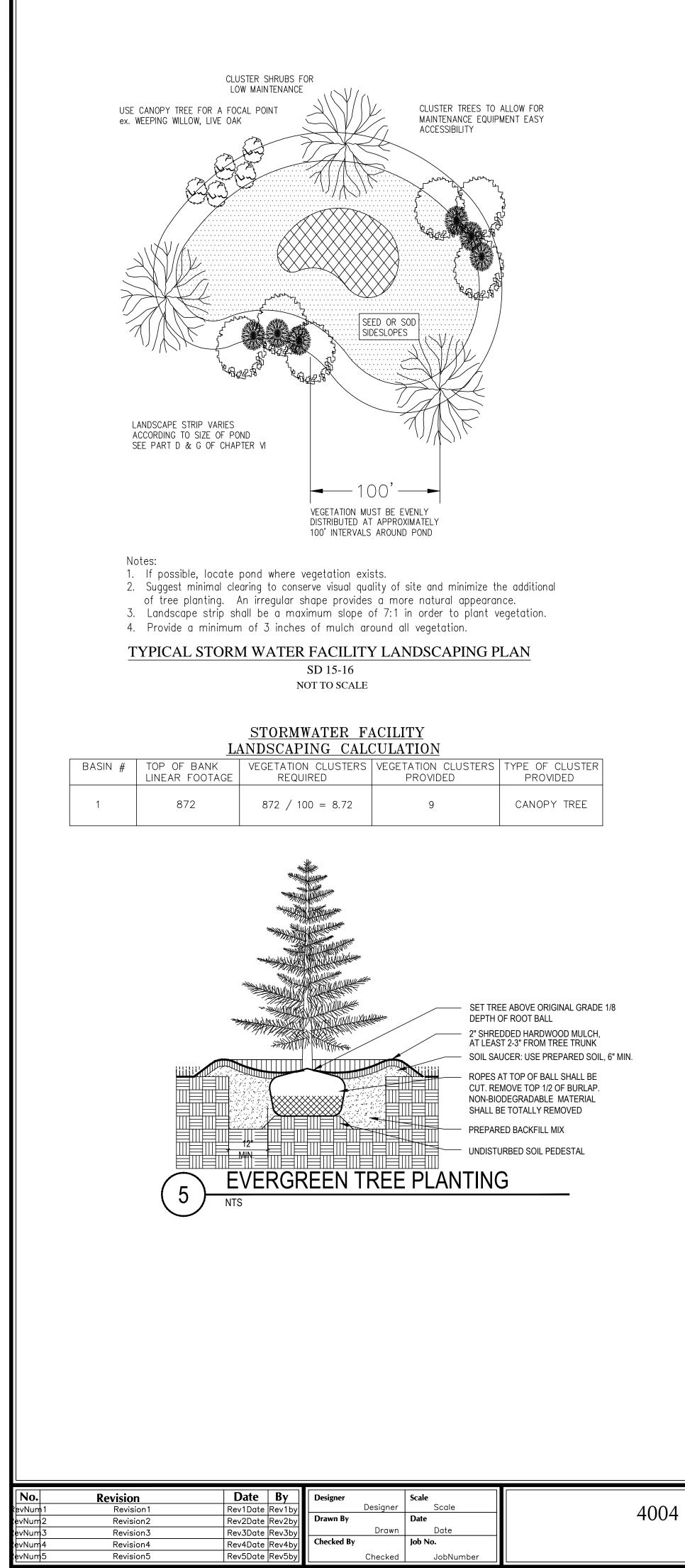
- ALONG RIVER ROAD IN FRONT OF THE EXISITNG FENCE. CONFEDERATE JASMINE VINE SHALL BE PLANTED ALONG FENCE LINE IN AREAS THAT NATIVE EXISITNG VINES
- CONFEDERATE JASMINE AMOUNT SHALL BE DETERMINED BY LANDSCAPER AT TIME OF INSTALLATION.
- BLACK FABRIC ON FENCE SHALL BE REMOVED.



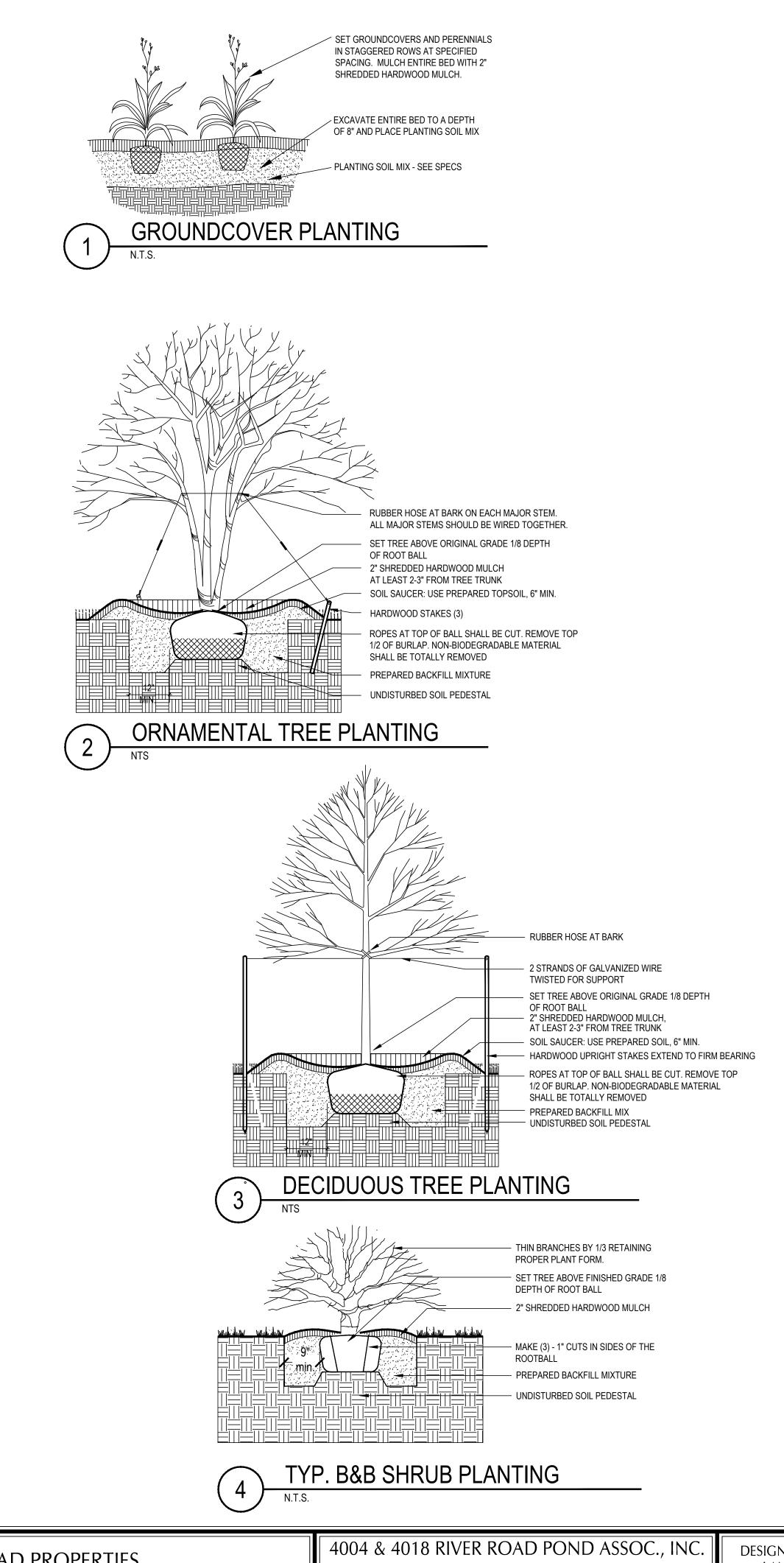
## **PRELIMINARY - DO NOT USE FOR CONSTRUCTION**

LANDSCAPE PLAN

DATE;8/10/2016 REVISED:10/27/17



4004 & 4018 RIVER ROAD PROPERTIES WILMINGTON, N.C.



P.O. BOX 15590 WILMINGTON, N.C. **DESIGN SOUTH-DONNA CLEMMONS** LANDSCAPE ARCHITECT, ASLA WRIGHTSVILLE BEACH,NC 910 550 8788

#### STREETYARD LANDSCAPING REQUIREMENTS

(per Section 18-477)	
STREETYARD FACTOR FOR LI (60' ACCESS EASEMENT)	29 TREES
SECONDARY STREETYARD - WAX MYRTLES	22
PLEASE SEE LANDSCAPE NOTE ON SHEET L1 CONCERNING RIVER ROA	AD STREETYARD

#### PARKING LOT INTERIOR LANDSCAPING REQUIREMENTS for NORTH SIDE PARKING LOT

(per Section 18-481)	
AREA OF VEHICULAR (PARKING) AND PEDESTRIAN USE (NORTH SIDE)	2476 SF
REQUIRED LANDSCAPING (15,780 SF x 0.08)	198.08 SF
TREES (1 PER ISLAND)	4 TREES
PROVIDED LANDSCAPING:	1157.97 SF
TREES (1 PER ISLAND)	4 TREES

#### PARKING LOT INTERIOR LANDSCAPING REQUIREMENTS for SOUTHSIDE PARKING LOT

(per Section 18-481)	
AREA OF VEHICULAR (PARKING) AND PEDESTRIAN USE (SOUTH SIDE)	15,780 SF
REQUIRED LANDSCAPING (15,780 SF x 0.08)	1,262 SF
TREES (1 PER ISLAND)	12 TREES
PROVIDED LANDSCAPING:	1,660 SF
TREES (1 PER ISLAND)	12 TREES

#### FOUNDATION PLANTINGS REQUIREMENTS

(per Section 18-490)	
EXISTING BUILDING FOUNDATION PLANTINGS REQUIRED AREA OF BUILDING FACE AREA (900 SF x 0.12)	900 SF 108 SF
EXISTING BUILDING FOUNDATION PLANTINGS PROVIDED AREA	250 SF
PROPOSED BUILDING FOUNDATION PLANTINGS REQUIRED (FRONT) AREA OF BUILDING FACE AREA (1,200 SF x 0.12)	1,200 SF 144 SF
PROPOSED BUILDING FOUNDATION PLANTINGS PROVIDED (FRONT) AREA	240 SF
PROPOSED BUILDING FOUNDATION PLANTINGS REQUIRED (REAR) AREA OF BUILDING FACE AREA (1,200 SF x 0.12)	1,200 SF 144 SF
AREA PROPOSED BUILDING FOUNDATION PLANTINGS PROVIDED (REAR)	290 SF

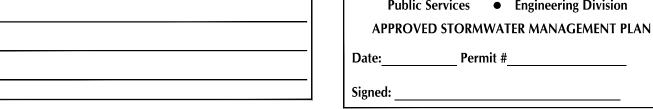
#### LANDSCAPE NOTE FOR STREETYARD PLANTING

WAX MYRTLES TO BE PLANTED AT BASE OF FENCE BECAUSE OF EXISTING FORCE MAINS

Approved Construction Plan

<u>Name</u>

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.



<u>Date</u>



LANDSCAPE PLAN

DRAWN BY:DDC DATE:8/10/2016 REVISED:10/12/16

Sheet No.

**L-2** 

Permit #

GRAPHIC SCALE

1 inch = 40 ft.